

Can The Fat in Milk Be Increased By Feeding.

(A Weekly Agricultural Letter.)
Again the old question. When will it be settled? Soon, we hope, if it is not already settled. Many experiments have been made by our best investigators. Some tried to increase the fat by content of feeding fat forming foods such as corn, flax meal, and sweet stuff, while others tried it by feeding fat in the form of tallow, cotton seed oil, corn oil, cacao nut oil and stearin, but with the same result,—no real increase in the percent of fat given by the animal. In Germany some chemicals have been fed but with similar results. Notwithstanding all these attempts and failures of the country's best men to increase the percent of fat in milk the common farmer stoutly maintained that fat could be fed into milk and that simply by liberal feeding of rich foods. They claimed that the tests were not fair ones because the cows experimented on had already been fed to their maximum.

To test this popular theory, Cornell University of Ithaca, N. Y., which institution has all along taken a lively interest in this matter set about to find a fair sized herd of cows which had for years been very poorly fed. Such was not very hard to find. The experiment commenced in the spring of 1900 at which time the University secured permission to test ten of the average cows on a near by farm and keep account of the feed eaten. The farmer, the while, feeding as he had in the past very sparingly.

At the end of one year the herd of ten cows was taken to the College farm and fed all they would eat of rich foods without any regard to the economy of such practice. At the end of the second year the cows were cut down on the food, still being fed liberally but not extravagantly. This continued for another year when the cows were again returned to the farmer and to the slim fare that had been theirs before the test started. Here they remained under the observation of the University authorities for the fourth year. The cows were kept with the regular working herd both at the farm and at the college. Ten cows for four years makes an excellent test.

Please bear in mind that the main object of this experiment was to determine whether or not very liberal feeding of a cow that had previously been very poorly fed would increase the per cent of fat in her milk. While doing this, however, they kept careful record of the total quantity of milk and fat given of the amount of food eaten to produce it. The table below shows the findings.

Year	Location	lbs. of milk	lbs. of fat	Av. per cent fat in milk	Av. per cent fat in milk over preceding year
1900	On farm	1000	10.0	1.00	
1901	On farm	1000	10.0	1.00	
1902	On farm	1000	10.0	1.00	
1903	On farm	1000	10.0	1.00	
1904	On farm	1000	10.0	1.00	
1905	On farm	1000	10.0	1.00	
1906	On farm	1000	10.0	1.00	
1907	On farm	1000	10.0	1.00	
1908	On farm	1000	10.0	1.00	
1909	On farm	1000	10.0	1.00	
1910	On farm	1000	10.0	1.00	

From this it will be seen that the total quantity of fat given, increased very materially while the percent of fat increased very, very little. The Bulletin (No. 222) sums up the work in the following language:

"In a herd of poorly fed cows an abundant ration easily digestible and rather nitrogenous in character and continued through two years, resulted in an average increase of one-fourth of one per cent of fat in the milk (or a percentage increase of about six per cent.)

This was accompanied by an increase of about 50 per cent in the total amount of milk and fat produced.

The increased production was secured economically so far as the food cost of milk and fat is concerned."

Does it pay to feed?
R. M. WASHBURN,
State Dairy Commissioner, Columbia, Mo.

John Temple Graves, of Georgia, has announced his candidacy for Senator from the United States Senate.

Jury For December Term.

The following jury for the December term of the Circuit court was drawn by the county court this week.

Clay Township—G. R. Havener, Benj. Day and R. S. Colvin.
Davis Township—Wm. Buschman, Sam G. Emison and J. S. Cordar.
Dover Township—Wm. Tuttle, J. C. Cooper and James M. Winn.
Freedom Township—F. W. Bricketter, Jack Handly and H. C. Holcamp.

Lexington Township—Walter Newman, Wm. H. Benton and H. S. Kinkead.

Middleton Township—Herman Knipmeyer, Henry Gibbons and W. Peters.

Sni-Bar Township—W. O. Ashcraft, R. G. Kerley, and J. B. Williamson.

Washington Township—James Milan, T. D. Williamson and Luther W. Powell.

The October Sunset.

Roland Dwight Grant, in the October Sunset, describes the wonderful scenery along the Columbia river, and proves his assertion that the scenery along the Columbia stands unchallenged by wonderful illustrations from photographs. Other features of this number are an essay by Gelett Burgess, "Feminine Modernity"; a fiction story by Juliet Wilbur Tompkins, "The Almonds of Heaven"; the first two chapters of a serial story by Bailey Millard, "The Master Stroke"; an amusing string of tales of early-day prospectors by Mary E. Stickney under the title "Luck and Chance in Mining"; and a lively account of the work of the California correspondents who followed the fortunes of the Russian-Japanese war by Edwin Emerson, Jr., who was himself fighting for the front in the Far East. The art features of this number are remarkable, including the cover design,—"The Navajo Medicine Maker," by Maynard Dixon.

The Color of Gold.

Few people know the real color of gold, because it is seldom seen except when heavily alloyed, which makes it much redder than when it is pure. The Philadelphia Inquirer says: "The purest coins ever made where the \$50 pieces which once were in common use in California. Their coinage was abandoned because the loss by abrasion was so great and because their interior could be bored out and filed with lead. They were octagonal in shape and were the most valuable coins ever minted and circulated. All gold is not alike when refined. Australian gold is distinctly redder than that taken in California. Moreover, placer gold is more yellow than that which is taken from quartz. This is one of the mysteries of metallurgy, because the gold in placers comes from that which is in quartz. The gold in the Ural mountains is the reddest in the world."

A New Immigration Bureau.

The widespread and rapidly growing interest shown by the people throughout the Middle States, in the remarkable advantages, resources and opportunities for the homeseeker and investor to be found along the line of the Union Pacific Railroad in Kansas has reached such large proportions that this road has made arrangements with R. S. Lemon of the Land and Improvement Trust Co., of Kansas City, Mo., for the distribution of descriptive and illustrated literature, information about the country, dates of land excursions, special rates, and also other information that may be desired.

It is understood that liberal inducements are offered by Mr. Lemon to reliable parties who wish to act as representatives of this bureau.

Real Estate Transfers.

Tuesday, September 26th, 1905.
A. Always to Albert Kosmiski, consideration, \$75; lot in Higginsville.

Bank of Higginsville to Chas Hofer, consideration, \$1; pt lot in Higginsville.

Wednesday, September 27th, 1905.
Mat T. Riley to Sarah E. Bourlier, consideration, \$825; pt lot in Lexington.

Friday, September 29th, 1905.
Lorrimer A. Fulton to Lazaditts and Ulysses Stone, consideration, \$900; 7 40-27.

Monday, October 2nd, 1905.
Josephus Hammer to John W. Hood, consideration, \$2,500; 11 1/2-49-29.

R. H. Petting et al by Sheriff of A. H. Schulz, consideration, \$85; 4 48-24.

Odessa's new College, the Western Bible and Literary College, began its first session last week with an initial enrollment of 102 pupils. The people of Odessa are enthusiastic over the prospects of their college.

Get it at

MISSOURI PHARMACY

The Drug Store That Saves You Money.

Special Prices for One Week

50c box Linen Stationery (latest design).....25c
50c Ebony back, pure bristles hair brushes.....25c
50c Ebony back, clothes brush.....25c
50c Bulb Syringe.....25c
2 boxes Tetlow's Swan Down Powder (regular price 25c box) for.....25c
50c package, 1 pound J. & J. Red Cross Cotton.....35c
\$1.00 pocket knives (every one guaranteed).....50c
50c pipes (French briar).....25c
25c tooth brushes.....10c

Mennen's Talcum Powder (regular price 25c box) 2 boxes.....25c
Linseed Oil (now is the time to buy) price per gallon.....40c
Palace Car Paints (regular price \$1.65 per gallon) per gallon.....\$1.40
The latest thing in a Meerscham Pipes, regular price \$6.00, our price.....\$4.00
We have a complete line of Artist Materials at inducing prices.

Main Street, at the Sign of the Drug Mortar, Lexington, Missouri.

Letter List.

The following letters remain uncalled for at the postoffice, at Lexington, Mo October 6, 1905.

George Broughton, Mrs. Astira Albert, Miss Lorraine Blackburn, Mrs. Fannie Conkee, Julius Duse, Mrs. L. Gergerhave, Miss Dixie Gordon, Hattie Hastings, H. C. Hughes, James Jackson, Mr. Long (Miller), Miss Little O ange, Rena O'Conner, Monson Pelham, William Piper, Mr. Rhuhen, Henry Shott, W. E. Van Antwerp, Pauline Wilson, C. H. White 2, Miss Martha Williams, Miss E. E. Williams, C. M. Williams Eugene A. Wright, Miss Mattie White, Fletcher Young

When calling for these please say they were advertised.

JAMES M. CROWDER, P. M.

Fruit Trees.

A moist fall like this is best for planting Apple, Pear, Peach, Plum, Cherry and other trees and shrubs Also for Grapevines, Blackberries, Currants and Gooseberries. Large stock, best new and old varieties. Digging and packing last week in October.

CHAS. TEUBNER,
Lexington Nursery.

Gun Club Shoot.

At the regular shoot of the Lexington Gun Club for the Peters Trophy Thursday afternoon William Shacklet made the highest score, breaking 22 out of 25 targets.

Testing the Automatic gun recently purchased by Mr. Gillen was an amusing as well as an enjoyable feature. John Slosner and Frank Gentry were successful in operating the gun correctly, and the other members were required to take off their hats to them.

A Dinner Party.

Mrs. Mary Terhune gave a dinner party Friday, September 29th, at her home three miles east of Lexington for Mrs. Harry W. Meyers and children. The guests present were: Meedames Edward Aull and children, L. Fred Evans, Richard Field, John Gordon and son, Pemberton, Stonerod, and Dr. and Mrs. E. C. Gordon.

WANTED—A salesman to sell oil as a side line. One who visits mills, electric light plants and coal mines, preferred. Apply,
GEORGE P. JONES & COMPANY,
St. Louis, Missouri.

Missouri has better school buildings, better teachers, better school organization, better school libraries and other school helps and above all else more prompt and regular attendance now than ever before.

The enrollment in the public schools of Missouri is ten per cent greater than last year. It is believed that the average attendance for the year will be twenty per cent greater, due largely to the new attendance law.

Born last week to Mr. and Mrs. Joseph Robinetti, of near Odessa, a daughter

Born last week to Mr. and Mrs. Luther Powell of Odessa, a son.

FOR RENT—A three room cottage. Apply to E. R. Neet.

Sam Johnson returned from Kansas City Thursday night.

August Rosen and wife went to Kansas City Wednesday evening.

Mrs. Clarence Vivion returned from Higginsville Wednesday evening.

Hugh Spear went to Kansas City Friday morning via the Santa Fe.

Mrs. Joe Hutchison returned from Kansas City Wednesday morning.

W. P. Aull returned from a business trip to Kansas City Thursday night.

Mrs. Laura M. Graves, of Mayview, is visiting Mr. and Mrs. W. H. Chiles.

Mrs. Thos. Moore went to Grand Pass Thursday morning to visit friends.

Mrs. W. H. Neale left Friday morning for Comiskey, Kas., to visit relatives.

Mrs. C. H. Moreton, of Sweet Springs, is visiting relatives near Lexington.

Miss Minnie Lyons went to Kansas City Thursday morning for a few days visit with friends.

J. O. Lesueur and Richard Guerre left Tuesday evening for Amarillo, Texas, on business.

Mr. and Mrs. Charles Ayers of Levasy spent Tuesday here shopping and visiting friends.

Ben Jefferson, a well known farmer of Texas Prairie, was in Lexington on business Wednesday.

Claud V. Turman went to Mansford Ind. Ty., Tuesday for a few days on business.

Miss Ella Nickell returned Tuesday evening from Fulton, where she has been visiting relatives.

Cadet W. B. Riley went to Sedalia Friday morning, where he was called by the death of his father, J. E. Riley.

H. Giesman, of Higginsville, who has been visiting the family of Claus Hinrichs, returned home Thursday night.

A. J. Jones, who has been spending a month here with relatives, left for his home at St. Louis Thursday morning.

Mrs. I. G. Neale and son left for Wichita, Kas., Wednesday morning for a visit with Miss Georgia Gilkerson.

Dr. Frank Carter and wife, of Higginsville, who have been visiting relatives here went to Kansas City Tuesday evening.

SAVED HIS LIFE.

J. W. Davenport, Wingo, Ky., writes, June 14, 1902: "I want to tell you I believe Ballard's Snow Liniment saved my life. I was under the treatment of two doctors, and they told me one of my lungs was entirely gone, and the other badly affected. I also had a lump on my side. I don't think that I could have lived over two months longer. I was induced by a friend to try Ballard's Snow Liniment. The first application gave me great relief; two fifty cent bottles cured me sound and well. It is a wonderful medicine and I recommend it to suffering humanity.

Sold by Crenshaw & Young. 10-7ml

Get it at

Correct Stationery

THE EATON-HURLBUT FINE CORRESPONDENCE PAPERS WILL PLEASE YOU.

They are the most popular papers on the market today. We have their nicest kinds in boxes—in tablets—and by the pound. The envelopes to match.

Crenshaw & Young
DRUGGISTS

New Grand, Monday, Oct. 9th
ONE NIGHT ONLY!

The Big Melodramatic Success of the Season

To Be Buried Alive!

A COMPLETE SCENIC PRODUCTION

See the Great Switch Tower Scene! The Flight of the Midnight Limited.

Excellent Cast Clever Specialties

SPECIAL BARGAINS { Prices 25c, 35c. and 50c.
SEATS NOW ON SALE.

Take This Opportunity

OF HAVING YOUR EYES TESTED.

FIFTEEN
YEARS
Experience



FIFTEEN
YEARS
Experience

PRICES REASONABLE AND SATISFACTION ASSURED.

CHAS. WEBER, Optician

AT DONIE WEBER'S STORE.

Protracted Meeting.

A protracted meeting will begin at the Christian church Sunday morning, conducted by the pastor, Rev. R. B. Briney. Prof. C. A. Phillips will have charge of the music. Services will be held each evening during the week at 7:30 o'clock until further notice. The public is cordially invited.

E. B. Campbell went to Kansas City Thursday evening on business.

Land and Money

I have a few Lafayette county farms left that I can sell you at reasonable prices. None any better, and all know it,—and they sell. Some city residences and vacant lots located to suit purchasers. Will take pleasure in showing you anything I have for sale.

Can see me at Gratz Bros. phone 223, E. B. Vaughan's phone 32 or home phone 278

6-194&wtf W. V. Curtis